

SAFETY DATA SHEET

Version: v1
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : 2,4-Di-tert-butylphenol
Product Number : D104351
Brand : aladdin
CAS-No. : 96-76-4

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : It is only for scientific research purposes, not for medicine, family standby medicine or other purposes.

1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co.,Ltd
Address : 36 Xinjinqiao Road, Shanghai
Telephone : 400-620-6333
Fax : no data available

1.4 Emergency telephone number

Emergency Phone : 0532-83889090

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H302 Harmful if swallowed

Precautionary statement(s)

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands [and ...] thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

| | |
|----------------|--|
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P330 | Rinse mouth. |
| P391 | Collect spillage. |
| P301+P312 | IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell. |
| P302+P352 | IF ON SKIN: wash with plenty of water. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P405 | Store locked up. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P501 | Dispose of contents/container to an approved waste disposal plant. |

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

SECTION 3: Composition/information on ingredients

3.1 Substances

| | |
|------------------|--|
| Synonyms | : 2,4-Ditertbutyl phenol 2,4-Di-tert-butyl phenol Phenol, 2,4-bis(1,1-dimethylethyl) |
| Formula | : C ₁₄ H ₂₂ O |
| Molecular weight | : 206.32 |
| CAS No. | : 96-76-4 |
| EC-NO. | : 202-532-0 |

| Component | Classification | Concentration |
|--------------------------------|-------------------|---------------|
| 2,4-Di-tert-butylphenol | | |
| | no data available | 97% |

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

请教医生。向到现场的医生出示此安全技术说明书。

If inhaled

如果吸入,请将患者移到新鲜空气处。如呼吸停止,进行人工呼吸。 请教医生。

In case of skin contact

用肥皂和大量的水冲洗。 请教医生。

In case of eye contact

用大量水彻底冲洗至少15分钟并请教医生。

If swallowed

Phone: 400-620-6333 Email: Sale@aladdin-e.com Web: <https://www.aladdin-e.com>

切勿给失去知觉者通过口喂任何东西。 用水漱口。 请教医生。

4.2 Most important symptoms and effects, both acute and delayed

取决于接触的时间和强度。程度从轻度刺激到严重组织损伤不等。 , 长期或频繁接触会导致 : , 损害眼睛, 恶心, 头晕, 头痛

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

用水雾,抗乙醇泡沫,干粉或二氧化碳灭火。

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

碳氧化物

5.3 Advice for firefighters

如必要的话,戴自给式呼吸器去救火。

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid inhaling vapors, smoke, or gases Ensure sufficient exploitation Remove all sources of ignition. Evaluate personnel to a safe area Beware of vapor accumulation reaching explosive concentrations. Vapour can accumulate in low-lying areas.

6.2 Environmental precautions

If safety can be ensured, measures can be taken to prevent further leakage or overflow. Do not allow the product to enter the sewer.

6.3 Methods and materials for containment and cleaning up

Do not generate dust during collection and disposal. Sweep and shovel away. Place in a suitable closed container for processing.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid the formation of dust and aerosols. Provide suitable exhaust equipment in areas with dust generation.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place.

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eyel/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection,use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

Control of environmental exposure

no data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|---|
| a) Appearance | form: crystallization color: yellow,White |
| b) Odour | no data available |
| c) Odour Threshold | no data available |
| d) pH | no data available |
| e) Melting point/freezing point | 53 - 56 °C (127 - 133 °F) - lit. |
| f) Initial boiling point and boiling range | 265 °C (509 °F) - lit. |
| g) Flash point | 115 °C (239 °F) - closed cup |
| h) Evaporation rate | no data available |
| i) Flammability (solid, gas) | no data available |
| j) Upper/lower flammability or explosive limits | no data available |
| k) Vapour pressure | 1 hPa (1 mmHg) at 84.5 °C (184.1 °F) |
| l) Vapour density | no data available |
| m) Relative density | 0.56 g/cm ³ at 22 °C (72 °F) |
| n) Water solubility | no data available |
| o) Partition coefficient: n-octanol/water | log Pow: 4.8 at 23 °C (73 °F) |
| p) Auto-ignition temperature | no data available |
| q) Decomposition temperature | no data available |
| r) Viscosity | no data available |
| s) Explosive properties N | no data available |
| t) Oxidizing properties N | no data available |

9.2 Other safety information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

no data available

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

酰基氯, 酸酐, 氧化剂, 碱, 黄铜, 铜

10.5 Incompatible materials

其它分解产物 - 无数据资料

10.6 Hazardous decomposition products

半数致死剂量 (LD50) 经口 - 大鼠 - > 2,000 mg/kgAldrich - 137731 页码 7 的 9 半数致死剂量 (LD50) 腹膜内的 - 小鼠 - 25 mg/kg

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

眼睛 - 兔子 - 刺激眼睛。 - 24 h - 经济合作与发展组织的试验指南405

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

ARC: 此产品中沒有大于或等于 0。1%含量的组分被 IARC鉴别为可能的或肯定的人类致癌物。

Carcinogenicity

no data available

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

吸入可能有害。引起呼吸道刺激。

Aspiration hazard

对鱼类的毒性 静态试验 半数致死浓度 (LC50) - *Leuciscus idus melanotus* - 1.8 mg/l - 48 h 方法: 67/548/EEC指令, 附录V, C1. Aldrich - 137731 页码 8 的 9 对水蚤和其他水生无脊 椎动物的毒性 固定 半数效应浓度 (EC50) - 水蚤 - 0.5 mg/l - 48 h 方法: 经济合作和发展组织的试验指导书202 对藻类的毒性 生长抑制 半数效应浓度 (EC50) - *Scenedesmus capricornutum* (淡水藻) - 9.85 mg/l - 72 h 方法: 经济合作和发展组织的试验指导书201

Additional Information

no data available

SECTION 12: Ecological information

12.1 Toxicity

no data available

12.2 Persistence and degradability

bioconcentration or bioaccumulation Elegant fish (Jin Ya Luo Fish) - 3 d -50 µg/l bioconcentration factor (BCF): 660

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

Toxic to aquatic organisms and has long-lasting effects. Avoid release into the environment.

SECTION 13:

13.1 Disposal considerations

Product

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur. Observe all federal, state and local regulations when disposing of the substance.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

| | | |
|--|----------------------------------|-----------------------------------|
| UN number: 2430 | Packing group: III | Class: 8 |
| Proper shipping name: | Reportable Quantity(RQ): no data | Poison Inhalation Hazard: no data |
| ALKYLPHENOLS, SOLID, N.O.S.(2,4-Di-tert-butylphenol) | available | available |
| Environmental Hazards: No | | |

IMDG

| | | |
|--|--------------------|---------------------------|
| UN number: 2430 | Packing group: III | EMS-No: no data available |
| Proper shipping name: ALKYLPHENOLS, SOLID, N.O.S.(2,4-Di-tert-butylphenol) | | |

IATA

| | | |
|--|--------------------|----------|
| UN number: 2430 | Packing group: III | Class: 8 |
| Proper shipping name: ALKYLPHENOLS, SOLID, N.O.S.(2,4-Di-tert-butylphenol) | | |

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

Further information

Phone: 400-620-6333 Email: Sale@aladdin-e.com Web: <https://www.aladdin-e.com>

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